

Appln No. 10/528,983
Amdt date April 11, 2007
Reply to Office action of December 12, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A bus stop illuminating device comprising:
a power storage device;
a solar panel to charge the power storage device;
~~at least one~~ a first light source ~~connected to~~ in electrical communication with the power
storage device to provide illumination to the bus stop; ~~and~~
~~at least one~~ a first switch to control illumination of the ~~at least one~~ first light source.
source;
a second light source in electrical communication with the power storage device to signal
a bus to stop; and
a second switch to control illumination of the second light source.
2. (Currently Amended) A device as claimed in claim 1 in which the ~~at least one~~ first light
source comprises [[is]] a light emitting diode (LED).
3. (Canceled)
4. (Currently Amended) A device as claimed in claim [[3]] 1 in which the second light
source [[is]] comprises a light emitting diode (LED).
5. (Original) A device as claimed in claim 1 including a display region for displaying
information.

6. (Currently Amended) A device as claimed in claim 5 in which the display region includes a third light source in electrical communication with the power storage device to illuminate the display region and a third switch to control illumination of the display region.

7. (Original) A device as claimed in claim 6 in which the display region comprises a reflective back layer, a light diffusing intermediate layer adapted to be edge lit by the third light source, a translucent layer on which the information is displayed, and a protective front layer.

8. (Currently Amended) A device as claimed in claim 7 in which the third light source comprises a light emitting diode (LED).

9. (Original) A lighting device for use at a bus stop comprising:
a solar panel;
a power storage device chargeable by the solar panel;
a first light source for illuminating an area adjacent the bus stop;
a second light source to signal a bus to stop;
a bus schedule assembly for displaying bus schedule information;
a third light source to illuminate the bus schedule assembly; and
a switch assembly electrically connected between the power storage device and the light sources to allow operation of at least one of the light sources on actuation of the switch assembly.

10.[[.]] (Currently Amended) The device as claimed in claim 9 including a head assembly for housing the solar panel, the power storage device, the first and second light sources and control circuitry for controlling charging of the power storage device by the solar panel, the head assembly being mountable to a post defining the bus stop.

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11. (Original) The device as claimed in claim 10 in which the bus schedule assembly and the switch assembly are mounted in a housing mountable to the post.
12. (Original) The device as claimed in claim 9 in which the light sources comprise light emitting diodes (LED).
13. (Original) The device as claimed in claim 9 in which the third light source functions to illuminate the bus schedule assembly by edge lighting.
14. (Original) The device as claimed in claim 13 in which the third light source comprises a light emitting diode (LED).
15. (Original) The device as claimed in claim 9 in which the bus schedule assembly comprises a reflective back layer, a light diffusing intermediate layer adapted to be edge lit by the third light source, a translucent layer on which the bus schedule information is printed, and a protective front layer.
16. (Original) The device as claimed in claim 15 in which the light diffusing layer is formed from acrylic.
17. (Original) The device as claimed in claim 15 in which the protective front layer is formed from polycarbonate.
18. (Original) The device as claimed in claim 9 in which the switch assembly comprises a plurality of touch-sensitive capacitive buttons to activate the light sources.
19. (Currently Amended) A bus stop illuminating device comprising:
a support structure;

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a lighting assembly mounted to the support structure and ~~housing~~ housing;
a power storage device;
a solar panel to charge the power storage device;
~~at least one~~ a first light source ~~connected to~~ in electrical communication with the power storage device to provide illumination to the bus stop; and
~~at least one~~ a first switch mounted to the support structure to control illumination of the ~~at least one first light source~~ source;
a second light source in electrical communication with the power storage device to signal a bus to stop; and
a second switch mounted to the support structure to control illumination of the second light source.

20. (Currently Amended) A device as claimed in claim 19 in which the support structure ~~[[is]]~~ comprises a post.

21. (Canceled)

22. (Original) A device as claimed in claim 19 including a display region for displaying information mounted to the support structure.

23. (Original) A device as claimed in claim 22 in which the display region includes a third light source to illuminate the display region and a third switch to control illumination of the display region mounted to the support structure.

24. (Original) A device as claimed in claim 22 in which the display region comprises a reflective back layer, a light diffusing intermediate layer adapted to be edge lit by the third light source, a translucent layer on which the information is displayed, and a protective front layer.

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25. (Canceled)
26. (New) A device as claimed in claim 19 in which the first light source comprises a light emitting diode (LED).
27. (New) A device as claimed in claim 19 in which the second light source comprises a light emitting diode (LED).
28. (New) A device as claimed in claim 23 in which the third light source comprises a light emitting diode (LED).
29. (New) A device of claim 19 wherein the first light source is operative to operate at a reduced light level for a preset time after the first switch is activated.
30. (New) A device of claim 1 wherein the first light source is operative to operate at a reduced light level for a preset time after the first switch is activated.
31. (New) A bus stop illuminating device comprising:
a power storage device;
a solar panel operably configured for charging the power storage device;
a first light source in electrical communication with the power storage device to provide illumination to the bus stop;
a display region for displaying information;
a second light source in electrical communication with the power storage device to illuminate the display region; and
a second switch to control illumination of the display region.

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32. (New) A device as claimed in claim 31 in which the display region comprises a reflective back layer, a light diffusing intermediate layer adapted to be edge lit by the third light source, a translucent layer on which the information is displayed, and a protective front layer.
33. (New) A device of claim 31 wherein the first light source is operative to operate at a reduced light level for a preset time after the first switch is activated.
34. (New) A device as claimed in claim 31 in which the first light source comprises a light emitting diode (LED).
35. (New) A device as claimed in claim 31 in which the second light source comprises a light emitting diode (LED).
36. (New) A device of claim 31 further comprising:
a third light source in electrical communication with the power storage device to signal a bus to stop; and
a third switch to control illumination of the third light source.
37. (New) A device as claimed in claim 36 in which the third light source comprises a light emitting diode (LED).
38. (New) A bus stop illuminating device comprising:
a support structure;
a lighting assembly mounted to the support structure and housing;
a power storage device;
a solar panel to charge the power storage device;
a first light source in electrical communication with the power storage device to provide illumination to the bus stop;

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a first switch mounted to the support structure to control illumination of the first light source;

a second light source to illuminate a display region for displaying information; and

a second switch, mounted to the support structure, to control illumination of the display region.

39. (New) A device as claimed in claim 38 in which the display region comprises a reflective back layer, a light diffusing intermediate layer adapted to be edge lit by the second light source, a translucent layer on which the information is displayed, and a protective front layer.

40. (New) A device as claimed in claim 38 in which the support structure comprises a post.

41. (New) A device of claim 38 further comprising:

a third light source in electrical communication with the power storage device to signal a bus to stop; and

a third switch to control illumination of the third light source.

42. (New) A device as claimed in claim 38 in which the first light source comprises a light emitting diode (LED).

43. (New) A device as claimed in claim 38 in which the second light source comprises a light emitting diode (LED).

44. (New) A device as claimed in claim 41 in which the third light source comprises a light emitting diode (LED).

45. (New) A device of claim 38 wherein the first light source is operative to operate at a reduced light level for a preset time after the first switch is activated.